In the Claims

- 1.-23. (Cancelled)
- 24. (New) A high strength stainless steel seamless pipe for use in oil wells, which has superior corrosion resistance, comprising on a mass percent basis:

0.005% to 0.05% of C;

0.05% to 0.5% of Si;

0.2% to 1.8% of Mn;

0.03% or less of P;

0.005% or less of S;

15.5% to 18% of Cr;

1.5% to 5% of Ni;

1% to 3.5% of Mo;

0.02% to 0.2% of V;

0.01% to 0.15% of N;

0.006% or less of O; and

the balance being Fe and unavoidable impurities,

wherein the following equations (1) and (2) are satisfied

 $Cr+Mo+0.3Si-43.5C-0.4Mn-Ni-0.3Cu-9N\ge11.5$ (2)

where Cr, Ni, Mo, Cu, C, Si, Mn, and N represent the respective contents on a mass percent basis.

 \cdot (1)

- 25. (New) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 24, further comprising 0.002% to 0.05% of Al on a mass percent basis.
- 26. (New) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 24, wherein the content of C is in the range of 0.03% to 0.05% on a mass percent basis.
- 27. (New) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 24, wherein the content of Cr is in the range of 16.6% to less than 18% on a mass percent basis.
- 28. (New) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 24, wherein the content of Mo is in the range of 2% to 3.5% on a mass percent basis.

- 29. (New) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 24, further comprising 0.5% to 3.5% of Cu on a mass percent basis.
- 30. (New) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 29, wherein the content of Cu is in the range of 0.5% to 1.14% on a mass percent basis.
- (New) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 24, further comprising at least one selected from 0.03% to 0.2% of Nb, 0.03% to 0.3% of Ti, 0.03% to 0.2% of Zr, 0.2% to 3% of W, and 0.0005% to 0.01% of B on a mass percent basis.
- 32. (New) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 24, further comprising 0.0005% to 0.01% of Ca on a mass percent basis.
- 33. (New) The high strength stainless steel scamless pipe for use in oil wells, according to Claim 24, wherein the stainless steel seamless pipe has a texture containing a martensite phase as a primary phase and a ferrite phase at a volume fraction of 10% to 60%.
- 34. (New) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 33, wherein the ferrite phase has a volume fraction of 15% to 50%.
- 35. (New) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 33, wherein the texture further contains an austenite phase at a volume fraction of 30% or less.